Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/21/2017 11:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124010	-1	1.43	123894	1.44
Blue	F	SSC	125000	123489	-2	2.47	123917	2.28
Blue	E	FITC	21625	20993	-3	2.30	932	10.05
Blue	D	PE	26832	26275	-3	1.87	942	9.53
Blue	B	PerCP-Cy5-5	48027	47221	-2	3.09	1349	16.20
Blue	A	PE-Cy7	40971	40561	-2	4.77	629	34.12
Red	C	APC	49746	49065	-2	2.84	2840	9.51
Red	A	APC-Cy7	53615	52972	-2	2.87	1095	11.25
Violet	B	V450	14488	13689	-6	6.10 (1)	656	9.93
Violet	A	V500	55123	53306	-4	6.05	2360	7.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19119	4.72	604	6	N/A	N/A	Pass
Blue	F	SSC	61397	1.50	534	0	N/A	N/A	Pass
Blue	E	FITC	106	38.44	535	-1	0.0218	194	Pass
Blue	D	PE	206	28.33	530	-1	0.1700	240	Pass
Blue	B	PerCP-Cy5-5	215	43.39	628	-1	0.0112	131	Pass
Blue	A	PE-Cy7	69	114.69	678	-3	0.0129	17	Pass
Red	C	APC	332	27.93	592	-2	0.0201	81	Pass
Red	A	APC-Cy7	120	40.56	577	-3	0.0056	1665	Pass
Violet	B	V450	79	42.36	473	2	0.0513	2135	Pass
Violet	A	V500	172	24.48	499	3	0.0163	1096	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.79	-31.32	0.81
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	16.62	13.27 - 19.91	N/A	N/A	31.46	31.95	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11785

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments